

Amendments to the Claims

Kindly amend claims 1, 11, 21 & 22 and add new claims 32-34, as set forth below. A complete listing of the claims is provided herein, with changes in the amended claims shown by underlining (for added matter) and strikethrough (for deleted matter).

B) 1. (Currently Amended) A method of managing logical processors of a computing environment, said method comprising:

configuring a logical partition of said computing environment with one or more logical processors;

automatically ~~determining based on~~ evaluating workload of the logical partition and automatically determining therefrom that said configuration of the logical partition is to be adjusted; and

dynamically adjusting the configuration of the logical partition.

2. (Original) The method of claim 1, wherein said dynamically adjusting is in response to workload of said logical partition.

3. (Original) The method of claim 1, wherein said dynamically adjusting comprises increasing a number of logical processors allocated to said logical partition.

4. (Original) The method of claim 1, wherein said dynamically adjusting comprises decreasing a number of logical processors allocated to said logical partition.

5. (Canceled)

6. (Previously Presented) The method of claim 1, wherein said automatically determining is performed at a plurality of time intervals.

7. (Previously Presented) The method of claim 1, wherein said automatically determining comprises using a predefined equation in making the determination.

8. (Previously Presented) A method of managing logical processors of a computing environment, said method comprising:

configuring a logical partition of said computing environment with one or more logical processors;

determining that said configuration is to be adjusted, said determining comprising using a predefined equation in making the determination, the predefined equation comprising:

$L = \text{floor}[\max(W, U) * P + 1.5]$, wherein

L = number of logical processors configured to said logical partition;

W = percentage of central processor capacity assigned to said logical partition;

U = percentage of central processor capacity currently being utilized by said logical partition; and

P = number of physical processors that can be allocated on the central processor associated with said logical partition; and

dynamically adjusting the configuration.

9. (Original) The method of claim 8, wherein said equation is subject to a maximum of $L = P$.

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10. (Previously Presented) The method of claim 7, wherein said automatically determining further comprises comparing a result of said predefined equation with one or more thresholds to determine whether the adjustment is to be made.

11. (Currently Amended) A system of managing logical processors of a computing environment, said system comprising:

means for configuring a logical partition of said computing environment with one or more logical processors;

means for automatically ~~determining based on~~ evaluating workload of the logical partition and automatically determining therefrom that said configuration of the logical partition is to be adjusted; and

means for dynamically adjusting the configuration of the logical partition.

12. (Original) The system of claim 11, wherein said means for dynamically adjusting is in response to workload of said logical partition.

13. (Original) The system of claim 11, wherein said means for dynamically adjusting comprises means for increasing a number of logical processors allocated to said logical partition.

14. (Original) The system of claim 11, wherein said means for dynamically adjusting comprises means for decreasing a number of logical processors allocated to said logical partition.

15. (Canceled)

16. (Previously Presented) The system of claim 11, wherein the automatically determining is performed at a plurality of time intervals.

17. (Previously Presented) The system of claim 11, wherein said means for automatically determining comprises means for using a predefined equation in making the determination.

18. (Previously Presented) A system of managing logical processors of a computing environment, said system comprising:

means for configuring a logical partition of said computing environment with one or more logical processors;

means for determining that said configuration is to be adjusted, said means for determining comprising means for using a predefined equation in making the determination, the predefined equation comprising:

$$L = \text{floor}[\max(W, U) * P + 1.5], \text{ wherein}$$

L = number of logical processors configured to said logical partition;

W = percentage of central processor capacity assigned to said logical partition;

U = percentage of central processor capacity currently being utilized by said logical partition; and

P = number of physical processors that can be allocated on the central processor associated with said logical partition; and

means for dynamically adjusting the configuration.

19. (Original) The system of claim 18, wherein said equation is subject to a maximum of $L = P$.

B) 20. (Previously Presented) The system of claim 17, wherein said means for automatically determining further comprises means for comparing a result of said predefined equation with one or more thresholds to determine whether the adjustment is to be made.

21. (Currently Amended) A system of managing logical processors of a computing environment, said system comprising:

one or more processors adapted to automatically ~~determine based on~~ evaluate workload of a logical partition and automatically determine therefrom that a configuration of the logical partition having one or more logical processors is to be adjusted and to dynamically adjust the configuration of the logical partition.

22. (Currently Amended) At least one program storage device readable by a machine, tangibly embodying at least one program of instructions executable by the machine to perform a method of managing logical processors of a computing environment, said method comprising:

configuring a logical partition of said computing environment with one or more logical processors;

automatically ~~determining based on~~ evaluating workload of the logical partition and automatically determining therefrom that said configuration of the logical partition is to be adjusted; and

dynamically adjusting the configuration of the logical partition.

23. (Original) The at least one program storage device of claim 22, wherein said dynamically adjusting is in response to workload of said logical partition.

B1 24. (Original) The at least one program storage device of claim 22, wherein said dynamically adjusting comprises increasing a number of logical processors allocated to said logical partition.

25. (Original) The at least one program storage device of claim 22, wherein said dynamically adjusting comprises decreasing a number of logical processors allocated to said logical partition.

26. (Canceled)

27. (Previously Presented) The at least one program storage device of claim 22, wherein the automatically determining is performed at a plurality of time intervals.

28. (Previously Presented) The at least one program storage device of claim 22, wherein said automatically determining comprises using a predefined equation in making the determination.

29. (Previously Presented) At least one program storage device readable by a machine, tangibly embodying at least one program of instructions executable by the machine to perform a method of managing logical processors of a computing environment, said method comprising:

configuring a logical partition of said computing environment with one or more logical processors;

determining that said configuration is to be adjusted, said determining comprising using a predefined equation in making the determination, the predefined equation comprising:

$$L = \text{floor}[\max(W, U) * P + 1.5], \text{ wherein}$$

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L=number of logical processors configured to said logical partition;

W=percentage of central processor capacity assigned to said logical partition;

U=percentage of central processor capacity currently being utilized by said logical partition; and

P=number of physical processors that can be allocated on the central processor associated with said logical partition; and

dynamically adjusting the configuration.

30. (Original) The at least one program storage device of claim 29, wherein said equation is subject to a maximum of $L=P$.

31. (Previously Presented) The at least one program storage device of claim 28, wherein said automatically determining further comprises comparing a result of said predefined equation with one or more thresholds to determine whether the adjustment is to be made.

32. (New) The method of claim 1, wherein the dynamically adjusting comprises dynamically adjusting the configuration of the logical partition without negotiating with another logical partition of the computing environment.

33. (New) The system of claim 11, wherein the means for dynamically adjusting comprises means for dynamically adjusting the configuration of the logical partition without negotiating with another logical partition of the computing environment.

34. (New) The at least one program storage device of claim 22, wherein the dynamically adjusting comprises dynamically adjusting the configuration of the logical partition without negotiating with another logical partition of the computing environment.